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Best Performance Standards Boiler Project Spotlights

Nationwide Boiler's Best Performance Standards (BPS) Boilers are designed with the latest efficiency upgrades and include the industry choice for NOx control, the CataStak™ SCR system for less than 5 ppm NOx, featuring Nationwide's exclusive NOx reduction control system. The yearly efficiency savings and emission reductions that are quickly achieved with a BPS boiler provide a lower carbon footprint and a greater return on investment with peace of mind and compliance assurance. The following projects highlight successful BPS solutions designed and supplied by Nationwide Boiler.

Del Monte - Modesto & Hanford, CA



Nationwide Boiler supplied Del Monte, Modesto a new 50,000 pph Babcock & Wilcox watertube boiler with a low NOx burner, CataStak™ SCR system and EconoStak economizer. An energy efficient condensing heat recovery system was also supplied (by others). Del Monte's Hanford facility retrofitted two (2) 100,000 pph watertube boilers with CataStak™ SCR systems and EconoStak economizers. Both projects resulted in < 5 ppm NOx and < 5 ppm NH₃ slip. The Modesto project was certified to operate at 95% fuel-to-steam efficiency and Del Monte received a substantial rebate from the local utility company to help offset the cost of the project.

Los Gatos Tomato - Huron, CA



Nationwide Boiler retrofitted a 150,000 pph English Boiler Company watertube boiler with a CataStak™ SCR system and EconoStak economizer at Los Gatos Tomato in Huron, CA. The boiler also included a standard no FGR low NOx burner, VFD, and O₂ trim (supplied by the customer). The CataStak™ performed at < 5 ppm NOx and < 5 ppm NH₃ slip, well exceeding the NOx limits required by the local Air Quality Resource Board. The local utility provider issued an energy efficiency rebate of \$146,351 to Los Gatos Tomato, significantly decreasing the payback period of the project. Los Gatos Tomato also projects yearly operating savings in fuel and electricity of \$100,000/year.

JG Boswell Tomato Company - Buttonwillow & Corcoran, CA



Nationwide Boiler provided two (2) E²Stak solutions, complete with two (2) new Babcock & Wilcox watertube boilers, CataStak™ SCR systems, EconoStak economizers and low NOx burners to JG Boswell Tomato Company. The new 81,400 pph (Buttonwillow facility) and 125,000 pph (Corcoran facility) watertube boilers were designed with the latest energy efficient auxiliaries and NOx reduction technology equipment for total Best Performance Standards performance. Both boilers operated at the highest efficiency and easily met NOx requirements, providing the customer with future compliance assurance with the lowest carbon footprint available.

Pictured from top to bottom: Del Monte (Modesto, CA) boiler installation, Los Gatos Tomato (Huron, CA) boiler retrofit and JG Boswell Tomato (Buttonwillow, CA) boiler installation.

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